DENVER
THE MILE HIGH CITY

Office of Human Resources
Irrigation Technician - LJ3413

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General Statement of Duties

Performs journey-level trades work to install, maintain, and inspect manual, semi-automatic, and automatic irrigation systems and fountains to ensure efficiency and water conservation at city facilities and properties, including city parks, fields, open spaces, green areas, or golf courses.

Distinguishing Characteristics

This class is distinguished from other trades areas by the specialty of the work and minimum qualifications.

Essential Duties

Installs, maintains, and repairs irrigation systems include wiring, controllers and valves, pressure testing, trenching and pulling pipe, installing heads, rotors, valves, main and lateral lines, drip lines, bubblers, and other related equipment and tools to ensure efficient operation while maintaining water conservation practices.

Conducts irrigation audits and inspects and tests equipment for malfunction or defects. Leads irrigation projects to install, upgrade, or repair equipment and determines the resources needed for the job. Provides cost estimates or quotes for projects.

Performs skilled level repairs to interactive and decorative fountains. Performs pump and valve changing, control programming, and water quality upkeep.

Performs routine maintenance, including seasonal maintenance for winterizing the systems and starting them up in spring.

Diagnoses, troubleshoots, and repairs computerized and non-computerized equipment and performs emergency repairs.

Maintains documentation and logs of repairs and equipment maintenance. Orders and maintains parts inventory.

Operates and maintains lightweight and heavy equipment and vehicles in connection with assigned duties and responsibilities.

Uses schematics, blueprints, sketches, or oral instructions to sketch, plan, and design the installation, maintenance, and repair of machines, equipment, and facility structures.

Observes all common safety practices. Ensures work areas are cleaned.

Collaborates with other trades workers in the repair, maintenance, and servicing of equipment and facilities, which may include journey-level electrician, plumber, HVAC, or similar construction trades specialties.

By position, trains lower level technical or labor positions or new staff.

By position, may be required to be on-call to address emergent needs.

By position, participates in snow removal duties.

By position, responds to after-hours calls or emergency calls outside of normal scheduled or business hours.

Performs other related duties as assigned.

Employees may be re-deployed to work in other capacities in their own agencies or in other City agencies to support core functions of the City during a City-wide emergency declared by the Mayor.

Any one position may not include all of the duties listed. However, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

Competencies

Interpersonal Skills - Shows understanding, friendliness, courtesy, tact, empathy, cooperation, concern, and politeness to others and relates well to different people from varied backgrounds and different situations.

Oral Communication - Expresses information to individuals or groups effectively; taking into account the audience and nature of the information; makes clear and convincing oral presentations; listens to others, attends to nonverbal cues and responds appropriately.

Reading - Understands and interprets written material, including technical material, rules, regulations, instructions, reports, charts, graphs or tables; applies what is learned from written material to specific situations.

Self Management - Sets well-defined and realistic personal goals; displays a high level of initiative effort, and commitment towards completing assignments in a timely manner; works with minimal supervision; is motivated to achieve; demonstrates responsible behavior.

Technical Problem Solving – Troubleshoots, diagnoses, analyzes, and identifies systems malfunctions to determine the source and cause of the problem.

Written Communication – Composes, reviews, edits, and issues written materials for diverse audiences and communicates purpose in a succinct and organized manner that is appropriate for context, time, and place.

Knowledge & Skills

Knowledge of standard practices, methods, materials, and tools used in construction, maintenance, and repair work.

Knowledge of safety hazards and necessary safety precautions sufficient to be able to establish a safe work environment for self and others.

Knowledge of landscape maintenance sufficient to be able to prepare and maintain systems.

Skill in operating hand and power tools and equipment common to several maintenance and repair trades.

Level of Supervision Exercised

By position, performs lead work.

Education Requirement

Graduation from high school or the possession of a GED, HiSET or TASC Certificate.

Experience Requirement

One (1) year of experience in maintaining and repairing commercial, agricultural, or related irrigation systems.

Education & Experience Equivalency

A combination of appropriate education and experience may be substituted for the minimum education and experience requirements.

Licensure & Certification

This job requires driving. Requires a valid Driver's License at the time of application.

By position, requires Landscape Industry Certified Technician by the end of probation.

By position, requires a Certified Irrigation Technician by the end of probation.

Licenses and certifications must be kept current as a condition of employment.

Working Environment

For DPL Positions Specifically:

Potential exposure to hazardous anesthetic agents, body fluids, and bio-wastes.
Atmospheric Conditions: conditions that affect the skin, eyes or respiratory system.
Potential exposure to cold temperature, cold enough to cause bodily discomfort.
Potential exposure to cold weather conditions (indoor/outdoor).
Potential exposure to conditions that affect the skin or respiratory system.
Potential exposure to dust.
Potential exposure to extreme temperature changes.
Potential exposure to hazardous conditions where there is a danger to life, body, and/or health.
Potential exposure to hazardous/toxic chemicals.
Potential exposure to hazards from electro/mechanical/power equipment.
Potential exposure to hazards of steam and heat.
Potential exposure to heat temperatures, hot enough to cause bodily discomfort.
Potential exposure to hot and humid work environment.
Potential exposure to housekeeping/cleaning agents/chemicals.
Potential exposure to infection from disease-bearing specimens.
Potential exposure to infections and contagious diseases.
Potential exposure to odorous chemicals.
Potential exposure to pesticides or fertilizers.
Potential exposure to the risk of blood borne diseases.
Potential exposure to temperature changes: variations in temperature from hot too cold.
Potential exposure to temperature changes: variations in temperature from hot to cold.
Potential exposure to unpleasant elements (accidents, injuries, and illness).
Extreme cold conditions.
Handles emergency or crisis situations.
Noise sufficient to cause distraction or possible hearing loss.
Personal Safety: aware of surroundings, people, and events.
Pressure due to multiple calls and inquiries.
Subject to long, irregular hours.
Subject to many interruptions.
Subject to burns and cuts.
Subject to electrical and radiant energy hazards.
Subject to hazards of flammable or explosive gases.
Subject to injury from moving parts of equipment or vehicles.
Subject to precarious or high locations.
Subject to pressure for multiple calls, inquiries, and interruptions.

Subject to varying and unpredictable situations.
Subject to traffic, roadways, and pedestrians.
Subject to vibrations and strain on the body to cause bodily harm if endured daily.
Temperature Changes: variations in temperature from hot too cold.
Temperature Changes: variations in temperatures from hot too cold when works in field.
Wet: frequent contact with water or other liquid.
Wet: frequent contact with water, liquid, chemicals, or sanitary sewage.
Works in precarious or high locations.

Level of Physical Demand

For DPL Positions Specifically:
3-Medium (20-50 lbs.) to 4- Heavy Work (50-100 lbs.)

Physical Demands

For DPL Positions Specifically:

(Physical Demands are a general guide and specific positions will vary based on working conditions, locations, and agency/department needs).

Agility: Ability to move quickly and easily.
Balancing: Maintaining equilibrium.
Carrying: Transporting or moving an object.
Climbing: Ascending or descending an object or ladder.
Color vision: Ability to distinguish and identify different colors.
Crawling: Moving about in a low or crouched position.
Crouching: Positioning body downward and forward.
Depth Perception: Ability to judge distances and space relationships.
Eye/Hand/Foot Coordination: Performing work through using two or more body parts or other devices.
Feeling: Perceiving attributes of objects by means of skin receptors, communication, or otherwise.
Field of Vision: Ability to sharply detect or perceive objects peripherally.
Fine Dexterity: Sufficient coordination to operate a vehicle and manipulate objects.
Fingering: Picking and pinching, through use of fingers or otherwise.
Handling: Seizing, holding, grasping, through use of hands, fingers, or other means.
Hazards: Conditions where there is danger to life, body and/or health.
Hearing: Perceiving and comprehending the nature and direction of sounds.
Hearing/Talking: Perceiving and comprehending the nature and direction of sounds/ability to communicate ideas.
Hiking: Moving about on uneven surfaces, and at high altitude.
Jogging: Ability to transport oneself over a two-mile distance at an efficient speed.
Kneeling: Assuming a lowered position.
Lifting: Moving objects weighing no more than 50 pounds from one level to another.
Neck Flexion: Perceiving objects located above or below.
Oral Comprehension: Ability to discern the meaning of oral speech.
Physical Strength: Exerts force to transport objects of 50 pounds or more.
Pulling: Exerting force upon an object so that it is moving to the person.
Pushing: Exerting force upon on object so that it moves away from the person.
Reaching: Extending the hands and arms or other device in any direction.
Repetitive motions: Making frequent or continuous movements.
Running: Quickly traverse a distance of over 50 yards.
Running: Quickly traverse a distance of under 50 yards.
Running: Ability to quickly pursue an animal for 60 seconds.
Sitting: Remaining in a stationary position.
Stamina: Ability to work over long periods of time without tiring.

Standing: Remaining in a stationary position.
Stooping: Positioning oneself low to the ground.
Talking: Communicating ideas or exchanging information.
Vision: Ability to perceive animal behavior, comprehend signs, and detect color.
Vision Far Acuity: Ability to perceive or detect objects clearly at 20 feet or more.
Vision Near Acuity: Ability to perceive or detect objects at 20 inches or less.
Walking: Ability to move or traverse from one location to another.
Written Comprehension: Ability to discern the meaning of written words.

Background Check Requirement

Criminal Check
Employment Verification
Motor Vehicle Record
By position, License/Certification

Assessment Requirement

None

Probation Period

None

Class Detail

Pay Grade: NE-11
FLSA Code: N
Established Date: 10/28/2025
Established By: OM
Revised Date:
Revised By:
Class History: 10/28/25 - Clone classification due to missing job spec.